

L5 ANSWER 57 OF 66 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:154660 CAPLUS Full-  
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DOCUMENT NUMBER: 138:197055

TITLE: Organic semiconductor components with  
pentacene-coated transistor films

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PATENT ASSIGNEE(S): Asahi Kasei Kabushiki Kaisha, Japan

SOURCE: PCT Int. Appl., 67 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003016599	A1	20030227	WO 2002-JP8070	
20020807				
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,				
CH, CN,				
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,				
GE, GH,				
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
LK, LR,				
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,				
OM, PH,				
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR,				
TT, TZ,				
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT,				
BE, BG,				
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU,				
MC, NL,				
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,				
ML, MR,				
NE, SN, TD, TG				
AU 2002327354	A1	20030303	AU 2002-327354	
20020807				
EP 1416069	A1	20040506	EP 2002-760569	
20020807				
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,				
MC, PT,				
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1541288	A	20041027	CN 2002-815611	
20020807				
CN 100334263	C	20070829		
CN 101108783	A	20080123	CN 2007-10140774	
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JP 4219807	B2	20090204	JP 2003-520882	
20020807				
US 20050258417	A1	20051124	US 2004-486276	
20040209				
US 7061010	B2	20060613		
PRIORITY APPLN. INFO.:			JP 2001-242808	A
20010809				

CN 2002-815611 A3

20020807

WO 2002-JP8070 W

20020807

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 138:197055

AB An organic semiconductor thin film suitably employed in electronics, photonics, or bioelectronics and a method for forming the thin films thereof. An organic semiconductor solution as the material in formation of the organic semiconductor thin film, and an organic semiconductor component employing the organic semiconductor thin film are also provided. The transistor is obtained by forming a gate electrode, an insulator layer, a source electrode, and drain electrodes sequentially on a glass substrate and then applying o-dichlorobenzene solution of pentacene (0.05% by mass) and drying thereby forming an organic semiconductor thin film. Since the organic semiconductor thin film can be formed easily at a low cost and has substantially no defect, a transistor having excellent electronic characteristics can be provided.

IT 135-48-8P, Pentacene

RL: DEV (Device component use); PNU (Preparation, unclassified);

PRP

(Properties); PREP (Preparation); USES (Uses)

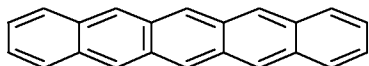
(organic semiconductor thin film; organic semiconductor

components prepared by coating with pentacene-coated transistor

films)

RN 135-48-8 CAPLUS

CN Pentacene (CA INDEX NAME)



IT 499138-96-4P, 2,3,9,10-Tetramethylpentacene

499138-97-5P 499138-98-6P 499138-99-7P

499139-00-3P 499139-01-4P 499139-02-5P

RL: DEV (Device component use); PEP (Physical, engineering or chemical

process); PNU (Preparation, unclassified); PRP (Properties); PYP (Physical

process); PREP (Preparation); PROC (Process); USES (Uses)

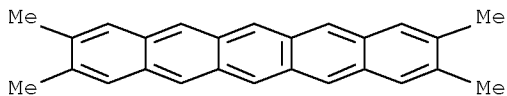
(semiconductor thin film; organic semiconductor

components prepared by coating with pentacene-coated transistor

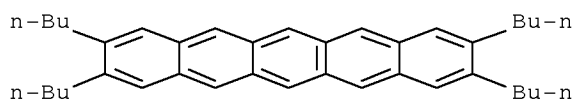
films)

RN 499138-96-4 CAPLUS

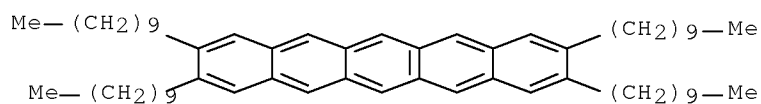
CN Pentacene, 2,3,9,10-tetramethyl- (CA INDEX NAME)



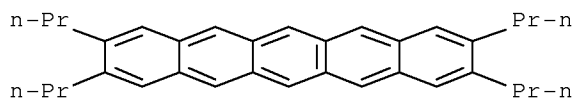
RN 499138-97-5 CAPLUS  
 CN Pentacene, 2,3,9,10-tetrabutyl- (CA INDEX NAME)



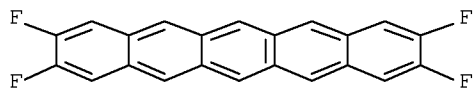
RN 499138-98-6 CAPLUS  
 CN Pentacene, 2,3,9,10-tetrakis(decyl)- (CA INDEX NAME)



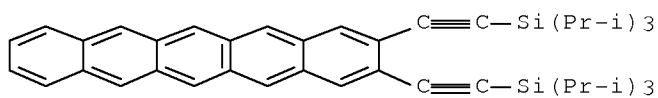
RN 499138-99-7 CAPLUS  
 CN Pentacene, 2,3,9,10-tetrapropyl- (CA INDEX NAME)



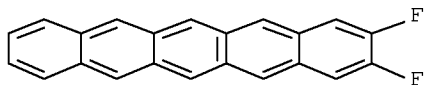
RN 499139-00-3 CAPLUS  
 CN Pentacene, 2,3,9,10-tetrafluoro- (CA INDEX NAME)



RN 499139-01-4 CAPLUS  
 CN Pentacene, 2,3-bis[2-[tris(1-methylethyl)silyl]ethynyl]- (CA INDEX NAME)



RN 499139-02-5 CAPLUS  
CN Pentacene, 2,3-difluoro- (CA INDEX NAME)



OS.CITING REF COUNT:	19	THERE ARE 19 CAPLUS RECORDS THAT CITE
THIS		
REFERENCE COUNT:	6	RECORD (32 CITINGS)
FOR THIS		THERE ARE 6 CITED REFERENCES AVAILABLE
		RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT		